



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

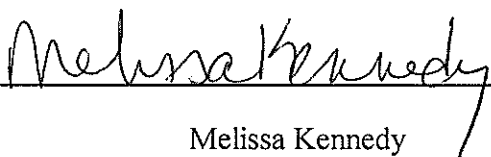
CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

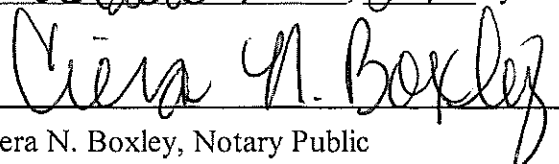
INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010660
CERTIFICATION DATE: October 2, 2013
DATE RECERTIFICATION DUE: March 31, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

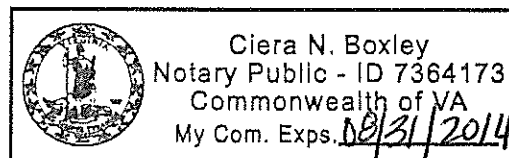

Melissa Kennedy
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 9th day of October, 2013 by Melissa Kennedy


Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TLN



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 10/4/2013

ANS
MSH

Instrument Serial Number: 010660

As of 04-Oct-13

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
02-Oct-13	02-Oct-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
17-Apr-13	17-Apr-13	DBH (21250)	CERTIFIED.
07-Feb-13	08-Nov-12	DBH (21250)	REPLACED DRY GAS STANDARD.
08-Nov-12	08-Nov-12	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
23-May-12	23-May-12	DBH (21250)	CERTIFIED
08-Dec-11	08-Dec-11	DBH (21250)	CERTIFIED, REPLACED DRY GAS STANDARD.
12-Oct-11	30-Jun-11	DBH (21250)	REPLACED DRY GAS STANDARD, REPLACED PRINTER RIBBON
30-Jun-11	30-Jun-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
05-Jan-11	05-Jan-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
16-Sep-10	20-Jul-10	DBH (21250)	REPLACED DRY GAS STANDARD
20-Jul-10	20-Jul-10	DBH (21250)	CERTIFIED
03-Mar-10	03-Mar-10	DBH (21250)	CERTIFIED
09-Sep-09	09-Sep-09	DBH (21250)	CERTIFIED.
19-Mar-09	19-Mar-09	DBH (21250)	CERTIFIED.
13-Mar-09	13-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
12-Feb-09	12-Feb-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

INTOX EC/IR II
Quality Assurance Worksheet

HWS
msk

Instrument Serial Number 010660 Worksheet Start Date 10/2/2013
Location Oceana
Address 1750 Tomcat Blvd., Virginia Beach, VA 23460
DFS Technician Heather Stanton License No. 18910
☐ Laboratory ☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

E-Seek
Keyboard
Printer
UPS

Old serial no.

New serial no.

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

50

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010660

Certification Date 10/2/2013

Instrument Barometer (mm HG) 761

Reference Barometer (mm HG) 764

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.248
0.250	0.250	0.242	0.257	Sample 2	0.247
Precision		sample min	sample max	Sample 3	0.247
0.001		0.247	0.248		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.153
0.150	0.150	0.145	0.154	Sample 2	0.153
Precision		sample min	sample max	Sample 3	0.153
0		0.153	0.153		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG320502-03

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.100	0.097	0.103	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

DFS Technician

Heath W. Starns

Date

10/4/13

Issuing Analyst

Melissa Kennedy

Date

10/7/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

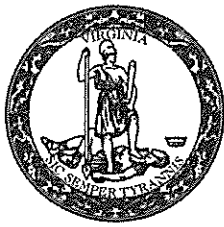
Issue Date: 4-March-2013

TLN

DFS Document 250-F113

Revision 6

Page 2 of 2




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

fnb
msk

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY BTANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 10/02/2013
TEST EQUIPMENT NUMBER 010660		

RESULTS: TIME SAMPLE TAKEN 10:56 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 02 Oct 2013 at 11:21

TLN
HNS
WOK

Test Results

Instrument Serial Number 010660

Test # 000495 Subject Test

Test Location 1 Department of

Test Date 02 Oct 2013

Test Location 2 Forensic Science

Test Time 10:50

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name STANTON

Agency DFS Central Lab

Card Serial Number 118910

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

End Date 02 Oct 2013

End Time 10:57

Operator's First Name HEATHER

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

Subject's First Name TEST

Driver's License Expiration 00/00/0000

Court Name DFS

Result Date 02 Oct 2013

Result Time 10:56

Result 0.00

Data Type DIAG

Data Type BLK

Data Type CHK

Data Type BLK

Data Type SUBJ

Data Type BLK

Data Type SUBJ

Data Type BLK

Standard Type Dry Gas Std

Standard Lot Number AG210901-13

Tank Pressure 257

Blow Sample Number 1

Blow Duration 3.60 sec

Blow Sample Number 2

Blow Duration 3.45 sec

Tamper Evident Stamp 5e1732fa

Test Status Success

Sample Value Pass

Sample Value 0.000

Sample Value 0.102

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Time 10:50

Sample Time 10:51

Sample Time 10:52

Sample Time 10:53

Sample Time 10:54

Sample Time 10:55

Sample Time 10:56

Sample Time 10:57

Standard Value 0.100

Standard Expiration Date 04/18/2014

Barometric Pressure 761 mmHg

Blow Volume 1783 cc

End-of-Blow Time 10:54

Blow Volume 1698 cc

End-of-Blow Time 10:56

Test Status Code 0

AMS
MSL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010660 Test Number: 496

Test Date: 10/02/2013 Test Time: 10:58 EDT

Dry Gas Target: 0.100

Lot Number: AG210901-13 Exp Date: 04/18/2014

Tank Pressure: 257 psi Barometric Pressure: 761 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:59
CHK	0.102	10:59
BLK	0.000	11:01
CHK	0.102	11:02
BLK	0.000	11:03
CHK	0.102	11:04

Test Status: *Success*

Calibration CRC: 844EC8AB

AMS
NHL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010660 Test Number: 497

Test Date: 10/02/2013 Test Time: 11:08 EDT

Dry Gas Target: 0.300

Lot Number: AG322702-02 Exp Date: 08/15/2015

Tank Pressure: 178 psi Barometric Pressure: 761 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:09
CHK	0.303	11:09
BLK	0.000	11:11
CHK	0.303	11:12
BLK	0.000	11:14
CHK	0.302	11:14

Test Status: *Success*

Calibration CRC: 844EC8AB

HMS
MSL

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010660

System Date: 10/02/2013

System Time: 11:38 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010660 Test Number: 498

Test Date: 10/02/2013 Test Time: 11:40 EDT

Dry Gas Target: 0.100

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 674 psi Barometric Pressure: 761 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:41
CAL	0.100	11:41

Test Status: *Success*

Calibration CRC: 60615533

Handwritten initials

Handwritten initials

Handwritten initials/signature in the top right corner.

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010660 Test Number: 499
Test Date: 10/02/2013 Test Time: 11:44 EDT

Technician Initials: HMS

Dry Gas Target: 0.250

Lot Number: 2961225012-08 Exp Date: 11/01/2014

Tank Pressure: 590 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:44
BLK	0.000	11:45
CHK	0.248	11:46
BLK	0.000	11:48
CHK	0.247	11:48
BLK	0.000	11:50
CHK	0.247	11:51
BLK	0.000	11:52

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010660 Test Number: 500
Test Date: 10/02/2013 Test Time: 11:54 EDT

Technician Initials: HMS

Dry Gas Target: 0.150

Lot Number: 0771315013-04 Exp Date: 05/01/2015

Tank Pressure: 115 psi Barometric Pressure: 761 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:54
BLK	0.000	11:55
CHK	0.153	11:56
BLK	0.000	11:57
CHK	0.153	11:58
BLK	0.000	11:59
CHK	0.153	12:00
BLK	0.000	12:01

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

AMS
WDL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010660 Test Number: 501
Test Date: 10/02/2013 Test Time: 12:03 EDT

Technician Initials: HMS

Dry Gas Target: 0.080

Lot Number: 0651208012-04 Exp Date: 04/01/2014

Tank Pressure: 125 psi Barometric Pressure: 761 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:03
BLK	0.000	12:04
CHK	0.080	12:05
BLK	0.000	12:06
CHK	0.080	12:07
BLK	0.000	12:08
CHK	0.080	12:09
BLK	0.000	12:10

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
MSL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010660 Test Number: 502
Test Date: 10/02/2013 Test Time: 12:11 EDT

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0651202011-03 Exp Date: 04/01/2014

Tank Pressure: 198 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:12
BLK	0.000	12:12
CHK	0.019	12:13
BLK	0.000	12:14
CHK	0.019	12:15
BLK	0.000	12:16
CHK	0.019	12:17
BLK	0.000	12:18

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

AMS
RCK

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010660 Test Number: 503

Test Date: 10/02/2013 Test Time: 12:21 EDT

Dry Gas Target: 0.300

Lot Number: AG322702-02 Exp Date: 08/15/2015

Tank Pressure: 169 psi Barometric Pressure: 760 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	12:21
CHK	0.302	12:22
BLK	0.000	12:24
CHK	0.302	12:25
BLK	0.000	12:26
CHK	0.301	12:27

Test Status: Success

Calibration CRC: 60615533

Handwritten signature

Handwritten signature

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010660 Test Number: 504

Test Date: 10/02/2013 Test Time: 12:30 EDT

Dry Gas Target: 0.100

Lot Number: AG320502-03 Exp Date: 07/24/2015

Tank Pressure: 1115 psi Barometric Pressure: 760 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:30
CHK	0.100	12:31
BLK	0.000	12:33
CHK	0.100	12:33
BLK	0.000	12:35
CHK	0.100	12:35

Test Status: *Success*

Calibration CRC: 60615533




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

AMS
WDL

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 10/02/2013
TEST EQUIPMENT NUMBER 010660		

RESULTS: TIME SAMPLE TAKEN 12:43 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

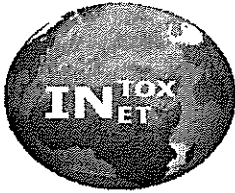
ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 04 Oct 2013 at 08:29

LMS
MSK

Test Results

Instrument Serial Number 010660

Test # 000505

Subject Test

Test Location 1 Department of
Test Date 02 Oct 2013

Test Location 2 Forensic Science
Test Time 12:37
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 02 Oct 2013 End Time 12:44

Result Time 12:43

Result Date 02 Oct 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:37

Data Type BLK

Sample Value 0.000

Sample Time 12:38

Data Type CHK

Sample Value 0.100

Sample Time 12:38

Data Type BLK

Sample Value 0.000

Sample Time 12:40

Data Type SUBJ

Sample Value 0.000

Sample Time 12:41

Data Type BLK

Sample Value 0.000

Sample Time 12:42

Data Type SUBJ

Sample Value 0.000

Sample Time 12:43

Data Type BLK

Sample Value 0.000

Sample Time 12:44

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG320502-03

Standard Expiration Date 07/24/2015

Tank Pressure 1115

Barometric Pressure 760 mmHg

Blow Sample Number 1 Blow Duration 3.27 sec

Blow Volume 1704 cc

End-of-Blow Time 12:41

Blow Sample Number 2 Blow Duration 3.36 sec

Blow Volume 1742 cc

End-of-Blow Time 12:43

Tamper Evident Stamp f2eb24e1

Test Status Code 0

Test Status Success